

# THE SIREN SONG OF THE EARTH

**Arizona-based  
electrical engineer  
Benjamin Lonetree  
uses sensitive  
instruments to tune  
into, record and  
analyse the Earth's  
electromagnetic  
signals and notes  
that our ancestors  
were much more  
attuned to these  
subtle vibrations  
than we are today.**

**by Benjamin Lonetree**

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Website:

<http://sidereal7.org>

Introduction contributed by

**Iona Miller**

Website:

[http://www.geocities.com/iona\\_m](http://www.geocities.com/iona_m)

*Briefly, I use the Earth as an antenna to observe and record ultra-low-frequency signals as they pass through the Earth. It is known that electromagnetic signals under approximately 3 Hz travel through the Earth as if it were not there. In other words, the Earth is a good conductor at these frequencies. My newly designed equipment not only allows me to observe signals travelling through the Earth but also Earth magnetic field disturbances, solar activity as it impacts the planet, precursor earth-quake signals, meteorite showers, and on and on.*

— Benjamin Lonetree

**T**he Earth calls to each and every one of us with her pulsating siren song, desiring us as we desire Her, commanding our biology as only She can. Electrical engineer "Benjamin Lonetree" is an artist as well as a scientist—a natural philosopher—and one of the few people on the planet who can detect and read natural Earth signals in, on and through the atmosphere and Earth. He is a deeply spiritual person who likes to call these signals "Mother Earth's Voice", and he means it in a thoroughly literal manner.

Perhaps his Native American background and his admiration of Benjamin Franklin's famous electrical experiments indicate a special sensitivity to these siren calls; or maybe it comes from his youthful "enlightenment" when he was struck by lightning. In any event, he has the inclination to listen, and listen carefully. And now this techno-shaman wants to speak, and tell the story of his own conversations with Mother Nature.

What ELFRAD researcher Lonetree found has both confirmed and disproved a number of popular theories about changes in our planet and how She communicates in the most fundamental way with the creatures She hosts, including ourselves. Ben's work has taken him into biofeedback, government projects, high-tech laser clean-rooms, as well as into computer science, fluid power and dynamics, electronic engineering and medical and experimental design. His work has been lauded by NASA and MIT.

Arizona-based Lonetree conceals his real name only to protect his innocence—not an idle paranoia, having discovered this the hard way. He has recorded and identified many mysterious signals—forbidden knowledge—in the course of his highly original work and seen some even stranger phenomena from triangular craft to underground installations. But some things are better left unsaid. Suffice it to say, this man is a walking "X-File"!

— Iona Miller

## INVESTIGATING VORTEX THEORY & EM SIGNALS WITH BEN LONETREE

**M**y name is "Benjamin Lonetree", and for more than a few years I have been observing natural Earth/ionospheric EM (electromagnetic) energies at ULF (ultra-low frequencies), ELF (extremely low frequencies) and VLF (very low frequencies). I maintain a website (<http://sidereal7.org>) to share the focus of my research on Schumann resonance (SR).

This work centres on natural effects, e.g., how geomagnetism affects SR in a given local geographical area. I learned by listening to Roswell radar that I could hear and record the sound of a meteorite burn as it travelled through the atmosphere. My equipment recorded ultra-low frequencies of the burn, but only at the end of its demise.

My equipment has also proven effective in observation and recording of the effect on Schumann resonance during Earth-directed CMEs (coronal mass ejections), or solar flares. Science has speculated that as they impact on our planet's magnetosphere, there is

a clipping of the lower edge of the first Schumann resonance which occurs at a frequency of approximately 7.83 Hz. This frequency varies slightly due to seasonal differences in the height of the ionosphere above the surface of the Earth.

Lightning and I have a long relationship. I have been super-sparked once, but there were a few "nearbys" at different times. I remember as a kid I had a tower alongside my parents' home located right next to the well. I noticed my tower loved storms enough to usually be hit. I thought it would be neat to observe static build-up, so I constructed a screen three foot by three foot and mounted it horizontally and connected it to the well casing. Several inches above the screen I mounted another, parallel to it but connected to the tower. As storms approached, especially at night, I would head outside and watch the sparks fly between the screen grids. Then on one fateful night, one particular storm intensified and the tower took a direct hit. The screens were darn near vaporised, but the submersible well pump was "fried" along with the screens. Needless to say, my Dad forbade me from any more Ben Franklin experiments. I think OI' Ben would have been proud of me...

Each of the seven Schumann resonances occupies a bandwidth of 1 Hz. In other words, each of the resonances is 1 Hz wide. I have observed and recorded the clipping action others have speculated on. Using other sensitive equipment at very low frequencies, I recorded one of HAARP's first on-air tests in 1999. I wasn't looking for it, but there it was among my regular readings. The result of this test, along with HAARP's VLF insertion experiment of March 2002, can be found on my website.

Along with the HAARP data, you will also find my downloadable online book, *Seven Subtle Vibrations*. I have many things I plan to add to this book, such as proving the Schumann resonance is *not* changing nor moving toward the beta brainwave frequencies, as some wildly speculate without doing accurate data monitoring. The facts speak for themselves. Originally targeted for the Sedona tourist trade, the book focuses on how the first Schumann resonance may be enhanced in a given area due to the action of geomagnetic energy peculiar to that area.

If you look at a simple audio speaker and break it down, you will find the cone (the paper part), the diaphragm, and, located behind the diaphragm, a coil of wire. Behind that coil lies a large permanent magnet. Audio is passed through the coil located between the diaphragm and the permanent magnet. As the coil produces a vibration of the diaphragm, this vibration is enhanced by the magnetic field produced by the permanent magnet. Audio produced by the vibration of the diaphragm is then amplified by the paper cone. Certain geophysical conditions also function like amplifiers and speakers, making the natural electromagnetic "voice" of the planet louder. I could explain the principle in greater detail, but will keep it simple. What is important to remember is that the permanent magnet plays an important role in the amplification of audio in a speaker.

### Vortex Energy Research at Sedona

Much of my research is based in Sedona, Arizona, famed for its so-called vortex energies. I chose this location as it is rich in iron oxide, silicon and magnetite, nature's natural magnet. Sedona is

one of America's most spectacular places to visit, known for its natural beauty, red-coloured mountains as well as the ochre soil.

Due to ancient tales and the high concentrations of iron oxide, the locals in Sedona tout the wonders of their famous vortex energy. At first I thought this was just a ploy to attract tourists, but I was to learn differently.

Prior to visiting Sedona, I met a gentleman from the Navajo nation. He asked if I had been to Sedona yet, as "that is where the Earth speaks". His statement, I would later prove, is very true. While it is an oft-told tale, proving it scientifically is something else.

Shortly after our meeting, I decided to hike Sedona with its many miles of trails down serpentine ravines and narrow canyons. As I did on most of my adventures, I brought along my VLF receiver and a compass. I hiked late into the night, as after sunset and before sunrise are the best times for listening to our atmosphere at VLF frequencies. My site discusses VLF phenomena in greater detail. It was on this first outing, while listening to atmospheric an hour or two after sunset, that I heard and recorded the HAARP test I mentioned earlier.

Another anomaly I noticed on this occasion as well as others was the fact that the atmospheric were noticeably stronger (louder) at certain locations along the trail. This was not always the case, though. I began to wonder if the increase in the strength of the atmospheric had anything to do with the infamous vortex energy. Being a scientist at heart, I had my doubts. But on later hikes I noticed my compass could not locate north. During times of increases in atmospheric strength, I also noticed in the same location that when atmospheric strength (loudness) decreased, my compass once again found north.

At first I thought I must have been sitting on a large deposit of magnetite. Just as I explained, a permanent magnet of a speaker is part of the amplification process in a sound system, so I suspected a large quantity of magnetite was beneath my feet. The VLF receiver attributed the increase in strength to amplification of the atmospheric. This theory could not be correct, though—for if it were, atmospheric strength would be enhanced all the time when I recorded at this particular spot. Such was not the case.

With my original theory implausible, I thought about other potential causes for the phenomenon. Though I still was not convinced of the reality of vortex energy, I decided to explore the possibility of either proving or disproving its existence. A bit of research on geomagnetism (magnetism produced by the Earth's molten interior) proved to be a possible lead.

Surveys conducted by the United States Geological Survey (USGS) indicated there were locations on this planet where there exist vortex-like-acting inflows and outflows of non-polarised magnetic energy. "Non-polarised" means there's no north or south pole as in a regular magnet. The outflow or inflow is simply pure magnetic energy in dynamic motion.

In order to prove my theory, I would need additional equipment known as a *fluxgate sensor*. This particular instrument is used for monitoring the Earth's magnetic field as well as any other source of magnetism.

As I awaited the shipment of components to construct the

Using other sensitive equipment at very low frequencies, I recorded one of HAARP's first on-air tests in 1999.

fluxgate instrument, I spent time discussing vortex energy with a number of Sedona residents. They described how, while sitting or simply being in the presence of a vortex, their mind changed; a feeling of calm and being at peace came over them. Today I have come to agree with them, as I have experienced precisely the same feeling on more than one occasion. It is not only my personal subjective experience, but also what my equipment ultimately recorded.

As mentioned previously, the first Schumann resonance occurs at a frequency of 7.83 Hz. This frequency also happens to fall between two of the human brainwaves, alpha and theta. There are four altogether: alpha, beta, delta and theta.

When our brain is functioning restfully in the predominantly alpha-theta zone, we become more relaxed or peaceful. The human brain acts like an electrical circuit called a *phase-locked loop*. A local external (outside the body) electromagnetic signal, as long as it is stronger than our brainwaves, initiates a resonance effect where the brain locks onto and resonates at that frequency.

My thought was that if the first Schumann resonance were in some way enhanced in the area where a large geomagnetic outflow occurred, it should be possible for the first Schumann resonance to affect a person's brainwave activity. That first signal again lies between alpha and theta. Simultaneously observing and recording the first resonance along with local field geomagnetic activity using the fluxgate instrument, while the equipment and I were located in a Sedona vortex, later proved this theory. What others have long conjectured, I was able to demonstrate conclusively. You can see the graphed results in my online book.

I have also recorded what I believe to be influencing magnetic energy. I have seen the first Schumann resonance increase in strength while the geomagnetic outflow of energy increased simultaneously. I am curious as to what happens during outflow and inflow, but my research has been curtailed for the time being.

I finally processed the data I recorded: two spectra, one from Kachina Man and one from Kachina Woman. I think what happened is I recorded the magnetic interaction between the two. First there is a series of smaller magnetic outflows, finally ending up in a large magnetic inflow. What rock formation is producing what, I do not know as of yet. I will have to use two fluxgate sensors, one located at Kachina Man and the other at Kachina Woman to tell. I suspect, though, Kachina Man is producing the outflows and Kachina Woman the intense inflows. When you sit between the two, you feel an indescribable balance: *yin/yang*, male/female, whatever you wish to call it. I climbed about a third of the way up Kachina Man and lay on a flat outcropping of rock. If you look at pictures of Kachina Man at dusk, you will see what looks like a head. I was located just below the head. My body became extremely heavy as I lay there, and I forcibly had to will myself to move and sit up. I had extreme feelings of vertigo temporarily. This is one heck of a powerful spot! At any rate, you can see there is interaction between the two. These formations

line up precisely north and south: Kachina Woman to the north, and Kachina Man to the south.

You may wonder how an electromagnetic wave such as Schumann, occurring below the range of human hearing, can be perceived by humans. There are several schools of thought on the subject. Good sources of information on electromagnetic energy as it affects the brain and body can be found on Dr Michael Persinger's website at Laurentian University in Canada (see [laurentian.ca/neurosci/\\_people/Persinger.htm](http://laurentian.ca/neurosci/_people/Persinger.htm)), and on the website of James Beal, a researcher on human EM sensitivity (see <http://www.emfinterface.com>).

Czech electrical technician and biotherapist Jaroslav Novak claims (December 2004) to have found a relationship that he can monitor between SR and a biological parameter (BP). Though further research needs to be done, "Jarda" is confident that this strongly suggests that SR and ELF EM fields do have a provable influence on living organisms. SR changes over correlated circadian rhythms and other cycles of time. He keeps his biological parameter confidential at this time, while developing an inexpensive home monitoring system. The BP is a weak signal that requires 100,000x amplification but demonstrates biological changes in confluence with changes in SR, Novak says.

Research conducted by a medical doctor acquaintance of mine on the subject of sleep disorders and fibromyalgia has shown subjects suffering from these disorders have higher-than-normal levels of magnetite in their inner-ear fluid. Females have the highest concentrations at 80% of the tested subjects. So, gentlemen: have respect for the female of our species, as she is more than likely very sensitive to the influence of subtle yet real energies that we males cannot perceive.

Since normal human hearing covers a frequency range of 60 Hz to 20,000 Hz, it is clear to assume that signals occurring below 60 Hz are perceived through other means, if noticed at all. The mechanism may include the magnetite found in the inner-ear fluid, or as other research like Dr Persinger's may show, the signal is directly perceived by the brain.

By now you should have a basic understanding of my research and the extreme sensitivity of the equipment used.

### EMF Effects on Humans

The plausibility of certain electromagnetic field effects on humans can be explored at <http://www.thebackpacker.com/trailtalk/thread/24225.php>. The website provides the following Abstract of United States Patent No. 6,506,148, which quickly establishes a benchmark for these biological effects. It is titled "Nervous system manipulation by electromagnetic fields from monitors" and was awarded on January 14, 2003, to Hendricus G. Loos of Laguna Beach, California.

**Abstract:** Physiological effects have been observed in a human subject in response to stimulation of the skin with weak electromagnetic fields that are pulsed with certain frequencies near 1/2 Hz or 2.4 Hz, such as to excite a sensory resonance. Many

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computer monitors and TV tubes, when displaying pulsed images, emit pulsed electromagnetic fields of sufficient amplitudes to cause such excitation. It is therefore possible to manipulate the nervous system of a subject by pulsing images displayed on a nearby computer monitor or TV set. For the latter, the image pulsing may be imbedded in the program material, or it may be overlaid by modulating a video stream either as an RF signal or as a video signal. The image displayed on a computer monitor may be pulsed effectively by a simple computer program. For certain monitors, pulsed electromagnetic fields capable of exciting sensory resonances in nearby subjects may be generated even as the displayed images are pulsed with subliminal intensity."

### The Voice of the Planet

As an example of subtlety, Schumann resonance is 20,000 times less in intensity than the Earth's magnetic field. The "voice" of the planet is indeed subtle today. I believe that since it is known that the Earth's magnetic field was much stronger thousands of years ago, more than likely Her voice was much stronger, more compelling, less diluted by EM pollution.

I believe our ancestors knew how to listen. One student of Dr Schumann (the discoverer of SR) believed the human nervous system developed as it did through evolution by being subjected to the Schumann resonances. Our four brainwaves suggest as much, since they fall in the same range of frequencies—all except delta (deep sleep), that is. Delta occupies a range from 1 to 3 Hz.

A special note: signals lower than 3 Hz travel through the Earth with ease. They propagate better through an earth medium than they do in the atmosphere.

"Schumann Resonances: a plausible biophysical mechanism for the human health effects of solar/geomagnetic activity" states that König, a student of Dr Schumann, took readings of the SR signal. He observed the close similarity of the SR signal with the EEG alpha rhythm, both of which dominate the daytime, and the local spherics 3 Hz signal with the EEG delta rhythm, which dominate the night. The close similarity, including the diurnal pattern and extensive laboratory experiments, prompted König to postulate that the ELF brain waves had evolved to use these natural signals (König, 1974a, p. 5). König also discovered that a superimposed epoch analysis related to the arrival of 3 Hz signals from locally generated thunderstorms showed significantly slowed reaction times. This was tested and confirmed in a series of laboratory experiments using human volunteers. König found that with a range of field strengths, 1 to 5 v/m, the 3 Hz signal consistently slowed people's reactions and a 10 Hz signal consistently accelerated people's reaction times. Reactions were also correlated with the more objective test for galvanic skin response (GSR), using a 5 v/m 3 Hz signal (König, 1974b, p. 17).

My equipment has recorded two other anomalous signals that fall within the range of delta. One occurs at 0.9 Hz or 9/10ths of 1 Hz, and the other occurs at 1.82 Hz. These signals or waves of energy may be what are called *Alfven waves*—micropulsations in the magnetospheric plasma. The one at 0.9 Hz is observable quite often. The other at 1.82 Hz appears for a short time immediately after or toward the end of a magnetic storm. There is so much to learn about this wonderful planet.

Another belief I have is the atmosphere is a good place for mixing of signals. When two mix, you have the sum and the difference between the two plus the fundamental. I have already proven that signals, be they natural or man-made, occurring at ultra-low frequencies also obey a few acoustic laws.

I have recorded SR in canyons but have also seen ghosts of the fundamental SR that I believe are reverberations off canyons walls, etc. The "Taos Hum" may be such a product. Mixing and a very strong ghost signal are the product of the 60 Hz power grid. The Taos Hum website "Eskimo" (<http://www.eskimo.com>) has a few wave files of the hum. I have analysed the waves with my software here, and what I see is basically a derivative of 60 Hz.

My gut feeling on both signals is they are not waves of electromagnetic energy but, rather, a gentle oscillation of the Earth's magnetosphere. Imagine the magnetosphere being impacted by the energy wave from a solar flare. Just like throwing a stone into water creates ripples, our magnetosphere may oscillate from the impact of energy from the Sun.

Another possibility is that, instead of an oscillating magnetosphere, perhaps one or every one of the layers of planet Earth's atmosphere oscillates. Though it may be hard to believe, Schumann resonance actually exerts a slight pressure on the surface of the planet. Again, I believe our ancestors were attuned

to these subtle vibrations. Since electricity was first put to use for the benefit of mankind, man-made electromagnetic pollution has increased hundreds of thousands of times, dramatically nullifying our perception of, or ability to connect with, all the subtle energies we drew upon naturally.

As many cultures have said, "we are truly connected" to this planet. But we are not only connected to her Earthly body. In her breath, which is the atmosphere, we can hear her voice if we but only remember how to listen.

**"It is therefore possible to manipulate the nervous system of a subject by pulsing images displayed on a nearby computer monitor or TV set."**

### About the Author:

Benjamin Lonetree holds several degrees in the fields of electrical engineering, telecommunications and data acquisition. Licensed by the Federal Communications Commission in 1978, he has worked in the communication industry for more than two decades. After moving to the US Southwest, he has devoted himself to the study of naturally occurring electromagnetic energies and how they interact with the human biophysical mechanism. He is a member of the ELFRAD (Extremely Low Frequency Research and Development) Group, set up to research ELF signals which propagate in the Earth's interior (see <http://www.elfrad.com>). He is the author of *Seven Subtle Vibrations: A Scientific Study of Schumann Resonance, Geomagnetism and Vortex Energy in Sedona*, which can be viewed at [http://www.sidereal7.org/E-Book%20Web/this\\_book.htm](http://www.sidereal7.org/E-Book%20Web/this_book.htm).

### About the Contributor:

Transdisciplinarian Iona Miller is a writer, hypnotherapist and multimedia artist developing groundbreaking work on the relationship of chaos theory and the emergent paradigm shift in philosophy, cosmology, biophysics, medicine, experiential psychotherapy, creativity, art and society. She has co-authored (with Richard A. Miller) several articles in NEXUS including "The Schumann's Resonances and Human Psychobiology" in 10/03 and "HAARP's Threat to the 'Voice of the Planet'" in 10/04.

Visit Iona's websites at [http://www.geocities.com/iona\\_m](http://www.geocities.com/iona_m) and <http://www.subcutaneous.org/iona.html>.